HAND HELD PRODUCTS
a WelchAllyn affiliate

# *CORDLESS SCANNING SYSTEM*

*SCANTEAM® 2070 BASE*
*IMAGETEAM™ 3870 LINEAR IMAGER*
*SCANTEAM® 5770 LASER*

**Quick Start**

## *Disclaimer*

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Web Address: www.handheld.com

CE The CE mark on the product indicates that the system has been tested to and conforms with the provisions noted within the 89/336/EEC Electromagnetic Compatibility Directive and the 73/23/EEC Low Voltage Directive.

For further information please contact:

Hand Held Products (UK) Ltd.
1st Floor
Dallam Court Dallam Lane
Warrington, Cheshire WA2 7LT
England

Hand Held Products shall not be liable for use of our product with equipment (i.e., power supplies, personal computers, etc.) that is not CE marked and does not comply with the Low Voltage Directive.

LR 89329 NRTL/C

## *C.S.A. Statement*

This product must be used with a certified Class 2 Power supply or be powered by a certified SELV (Safety Extra Low Voltage) output.

| | |
|---|---|
| Safety Approvals | |
| U.S.A. | Ul Listed, C22.2 No. 950/UL 1950 |
| Australia* | conforms to AS/NZS N344 |
| Canada | 3548cUL Listed |
| Europe | TÜV Rheinland GS Licensed, EN 60950 (IEC 950) (Scanner and Base only - not on battery) |
| RF Approvals | |
| U.S.A. | FCC Part 15.249 Certified |
| Australia* | C-TIC |
| Canada | RSS 210 Certified |
| Europe | ETS 300 328 Certified |
| Singapore* | Type Approval for Spread Spectrum System |

* Applies to SCANTEAM 2070 and 5770 only.

# Cordless Quick Start Guide

## *Introduction*

The Cordless Scanning System consists of the SCANTEAM 2070 Base unit and at least one IMAGETEAM 3870 Cordless Linear Imager or SCANTEAM 5770 Cordless Laser Scanner. Up to nine scanners may be associated with one base. Each cordless scanner has a removable, rechargeable battery pack and provides real time decoding within a 50 foot (15 meter) to 100 foot (31 meter) radius[1] of the base unit.

The Cordless System is an economical, durable solution for a wide variety of portable data collection applications. The Cordless System features:

- a tough, ergonomic thermoplastic housing for comfort and durability.
- recognition and decoding of the most popular, industry-standard bar code symbologies.
- scanner coverage of up to 7854 square feet (730 square meters).
- a wide range of interfaces that are compatible with many POS, keyboard wedge, and RS-232 terminals.
- visible and audible feedback for confirmation of a successful decode.
- rechargeable batteries designed to operate through a whole work day.

This Quick Start Guide contains information about charging your cordless scanner's battery pack and associating the scanner to the base. For more detailed information on how to set up, operate, and program the cordless system, see the Cordless System Manual.

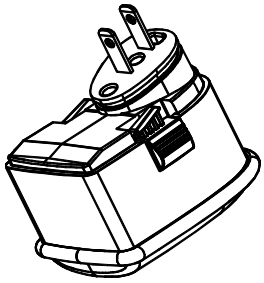
This guide contains the following information:

- Battery pack and charging Information
- Associating the cordless scanner to a base
- Customer support information
- Limited warranty and warranty durations

1. Actual radio range depends on environment.

## *About the Battery Pack*

Power is supplied to the Cordless Scanner by a rechargeable battery pack that snaps onto the bottom of the scanner. Each scanner is shipped with a battery pack.* (See the battery specifications in the Cordless System Manual for storage information.)



*Order backup battery pack(s) or replacement batteries from your distributor.

### *North American Charging Information*

The battery pack is designed to plug into any two prong North American AC power outlet (110/120 V) for direct charging. You need no additional equipment and you can recharge the pack virtually anywhere.

### *Worldwide Charging Information*

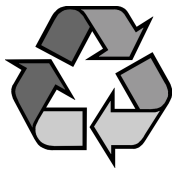
Since the battery pack is rated for 110/120 V 60 Hz and 230/240 V 50 Hz applications, it may be charged worldwide. To accommodate the wide variety of electrical outlets internationally, a custom charge strip is required to charge the batteries.

***Warning**: When the charge strip is used in 240 V applications, only use battery CLESS/NIMH/S. Do not attempt to charge battery part numbers: 34/5770/ NICAD, 34/5770/NIMH, 34/5770/NIMH/F, or 34/5770/NICAD/F.*

Battery Pack Recommendations

- Batteries are shipped uncharged and need to be *fully* charged and discharged two or more times to be fully conditioned.
- Charge the battery for 24 hours for at least the first two times to fully condition the battery. (Fully discharge in between each initial charge.)
- Charge the battery pack immediately before use or at least within a couple of days of use.
- Remove the battery pack from the power outlet or charging strip within 24 hours after charging is completed. Avoid extended overcharging; do not leave the battery charging for more than two days.
- Periodically fully discharge the battery pack.
- Avoid using the battery pack in extreme temperatures.
- Do not disassemble the battery pack. There are no user-serviceable parts in the battery pack.

### *Proper Disposal of the Battery Pack*



When the battery pack has reached the end of its useful life, the batteries should be disposed of by a qualified recycler or hazardous materials handler. Do not incinerate the battery pack or dispose of the battery pack with general waste materials. Contact the Product Service Department (see page 5) for recycling or disposal information.

## *Charging Your Battery Pack*

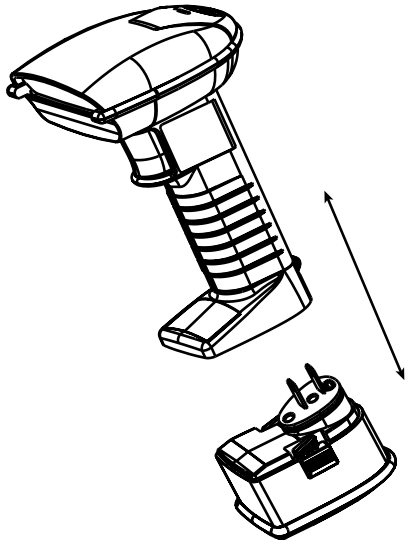
Charge the battery pack by following the steps below:

1. Fully charge the battery (see page 2). Plug the battery pack directly into any common 120 V AC outlet in North America. If outside North America, use the custom charge strip.

2. The LED on the bottom of the battery pack lights red when the unit is charging; it shows green when it is fully charged and ready to use.

*Note: It is important that you charge the battery for 24 hours prior to first use. No damage occurs if this is not done, but the battery capacity will not be at 100%. (Fully discharge in between each initial charge.)*

*Recharge Time: 6 hours at any voltage at 20° C (68° F.)*



3. After the battery pack is fully charged, attach it to the cordless scanner by pressing the pack firmly (align the prongs on the pack with the mating receptacles) in the base of the scanner until the release buttons click, holding the pack firmly in place. (*When you attach a charged battery pack to the Cordless Scanner, you will hear a single beep.*)

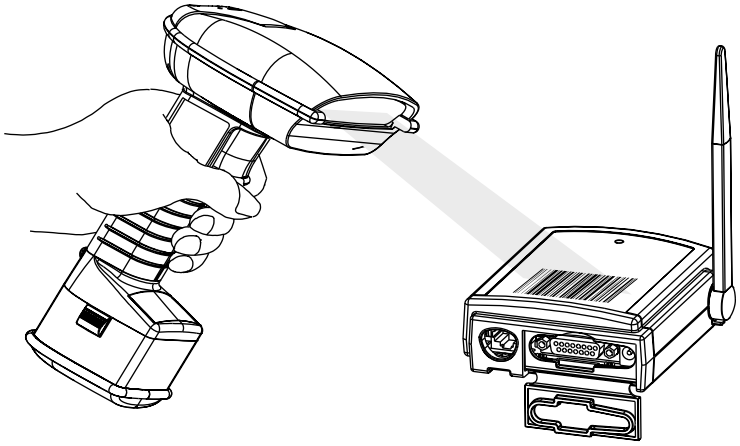
4. If you have not set up your Cordless System, refer to “Setting Up and Connecting the Cordless System” section in the System Manual for instructions.

When the battery pack needs recharging, the yellow LED on top of the scanner gives 3 short pulses. You will still be able to use the scanner; however eventually the LED will flash 3 times and the scanner will not scan. If the LED stops flashing when the temperature lowers or you do not use the battery pack for some time, you still need to charge the battery pack to avoid damaging the battery pack or causing scanner memory loss.

## *Associating the Cordless Scanner to a Base*

**Important**:Make sure the cordless scanner's battery pack has been fully charged. See page 2 for charging instructions.

Using the cordless scanner, scan the Association Bar Code (the bar code label on the top of the base) to link that scanner to the base.



Two quick beeps followed by clicking, then a single beep indicates a "good" association. The scanner is in communication with the base.

If the battery pack is removed from the scanner and replaced after association, the scanner automatically reassociates to the base if the base has power. In this case, the scanner beeps when a charged battery pack is installed, then beeps a second time after full association, usually five to ten seconds later.

*Note: To set up and connect the cordless system to the host system, refer to the Cordless System Manual. The System Manual includes all programming selections, more detailed explanations of the cordless system, product specifications, scan maps, connector illustrations and pinouts, maintenance, and troubleshooting information.*

## *Obtaining Factory Service*

Hand Held Products provides service for all its products through a service center located at its manufacturing facilities in Skaneateles, New York. To obtain warranty or non-warranty service, return the unit to Hand Held Products (postage paid) with a copy of the dated purchase record attached.

In the United States, please contact the Hand Held Products' Product Service Department at the address/telephone number that follow to obtain a Return Material Authorization number (RMA #).

**Main Office - Welch Allyn Data Collection, Inc. (d/b/a Hand Held Products)**

4619 Jordan Road
P.O. Box 187
Skaneateles Falls, New York 13153-0187

*Product Service Department*
Telephone: (315) 685-4278 *or* 685-4360 Fax: (315) 685-4156

For service in Europe, please contact your Hand Held Products' representative (at the address that follows) or your local distributor.

**European Office - Hand Held Products, Ltd.**

Hondsruglaan 87 D
5628 DB Eindhoven
The Netherlands
Telephone: Int+ 31 40 242 4486 Fax: Int+ 31 40 242 5672

**United Kingdom Office - Hand Held Products, (UK) Ltd.**

Dallam Court
Dallam Lane
Warrington
Cheshire WA2 7LT
United Kingdom
Telephone: Int+44 (0) 1 925 240055 *or* Int+353 1 216 0070
Fax: Int+44 (0) 1 925 631280 *or* Int+353 1 295 6353

For service in Asia, please contact your Hand Held Products' representative (at the address that follows) or your local distributor.

**Asia/Pacific Office - Hand Held Products**

10/F Tung Sun Commercial Centre
194-200 Lockhart Road
Wanchai, Hong Kong
Telephone: Int+852-2511-3050 *or* 2511-3132 Fax: Int+852-251-1355

For service in Japan, please contact your Hand Held Products' representative (at the address that follows) or your local distributor.

**Japan Office - Hand Held Products**

Bon Marusan 8F
3-5-1 Kanda-Jinbocho
Chiyoda-ku
Tokyo 101, Japan
Telephone: Int+81-3-5212-7392
Fax: Int+81-3-3261-7372

For service in Latin America, please contact your Hand Held Products' representative (at the address that follows) or your local distributor.

**Latin America Office - Hand Held Products**

5150 North Tamiami Trail
Suite 302
Naples, FL 34103-2821
Telephone: (941) 263-7600 Fax: (941) 263-9689

## *Help Desk*

If you need assistance installing or troubleshooting your cordless system, please contact your distributor or the nearest Hand Held Products' technical support office.

**North America:**

Telephone: (315) 685-2476 (8 a.m. to 6 p.m. EST)
Fax number: (315) 685-4960
*E-mail:* *dcd_techsupt@mail.welchallyn.com*

**Europe:**

Telephone: European Ofc: Int+31 40 242 4486)
U.K. Ofc: Int+44 1925 240055
*E-mail:* *dcd_techsupt@mail.welchallyn.com*

**Asia:**

Telephone: Int+852-2511-3050 *or* 2511-3132
*E-mail:* *dcd_techsupt@mail.welchallyn.com*

## *Limited Warranty*

Welch Allyn Data Collection, Inc. (d/b/a Welch Allyn Data Collection, Inc.), hereby warrants its products to be functional and free from manufacturing defects at the time of delivery. Hand Held Products further warrants that it will replace or repair, at its option, any unit that fails to perform according to Hand Held Products' published specifications during a specified duration (see chart below) from the time of shipment by Hand Held Products to the user at the time it is purchased from any of Hand Held Products' Authorized Distributors. Any attempt on the part of the user to disassemble or service the equipment shall void the warranty.

The warranty does not apply to product which have been damaged by improper handling, shipping, or misuse. The warranty does not apply, if, in the sole opinion of Hand Held Products, the unit has been damaged by accident, misuse, neglect, improper shipping and handling. Since the unit is sensitive to static, the responsibility to protect it from static damage is solely that of the user. The warranty is valid only if the unit or scanner has not been tampered with or serviced by any party unauthorized by Hand Held Products as a repair facility.

THE WARRANTIES SET FORTH HEREIN ARE IN LIEU OF ANY AND ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE BUYER ACKNOWLEDGES THAT NO OTHER REPRESENTATIONS WERE MADE OR RELIED UPON WITH RESPECT TO THE QUALITY AND FUNCTION OF THE CORDLESS SYSTEM HEREIN SOLD.

In no event shall Hand Held Products or its resellers be liable for any loss, inconvenience or damage whether direct, incidental, consequential or otherwise, and whether caused by negligence or other fault resulting from the breach of any express warranty except as set forth herein. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.

## *Limited Warranty Durations*

| IMAGETEAM 3870 | SCANTEAM 5770 | SCANTEAM 2070 | NIMH Battery |
|---|---|---|---|
| 3 Years | 3 Years | 3 Years | 1 Year |

## *Statement of Agency Compliance*

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### *FCC Class B Compliance Statement*

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio or television technician for help.

Caution: Any changes or modifications made to this device that are not expressly approved by Hand Held Products may void the user's authority to operate the equipment.

*Note: To maintain compliance with FCC Rules and Regulations, cables connected to this device must be shielded cables, in which the cable shield wire(s) have been grounded (tied) to the connector shell.*

### *Canadian Notice*

This equipment does not exceed the Class B limits for radio noise emissions as described in the Radio Interference Regulations of the Canadian Department of Communications.

Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la classe B prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

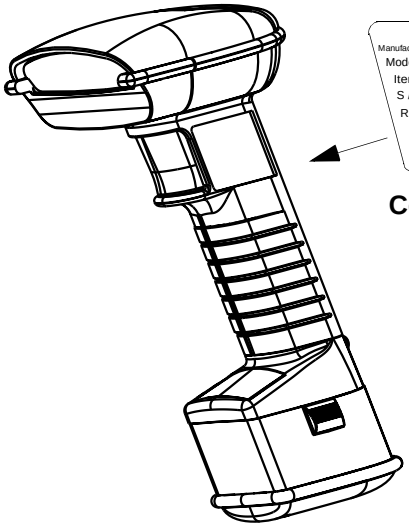
### *CDRH Laser Safety Statement - ST5770 only*

This product complies with US DHHS 21 CFR J Part 1040.10. This product is a CLASS II LASER PRODUCT with a maximum output of 1.0 mW at 670 nanometers and continuous wave.

### *EN 60825-1 Laser Safety Statement - ST5770 only*

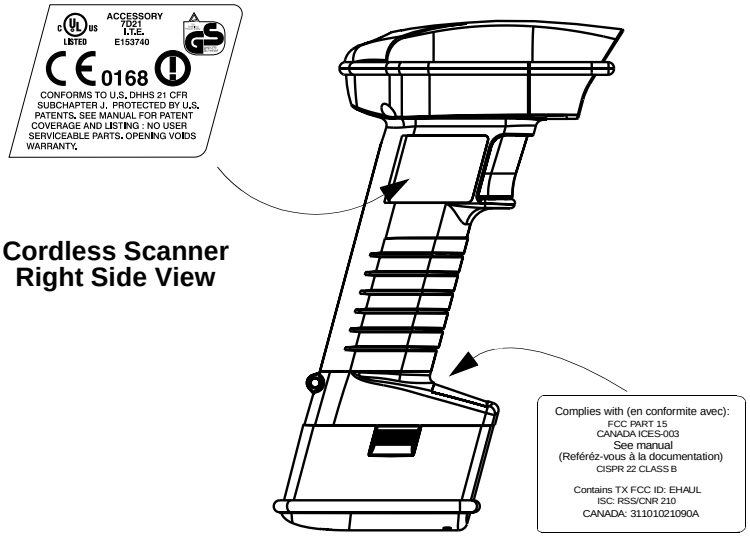
This product is classified as a CLASS 2 LASER PRODUCT with a maximum output of 9.0 mW at 670 nanometers per EN 60825-1:1994, Issue 2, June 1997.

## *Enlarged Views of Regulatory Labels*



Manufactured MAY 2000
Model # IMAGETEAM 3870
Item # 3870XX-XX
S / N 12345
REV SW 1.6/1.08
Welch Allyn, Skaneateles Falls
New York 13153-0187, USA
See User Guide for Patent Information
*Made in USA*

**Cordless Scanner**
Left Side View



ACCESSORY
7021
I.T.E.
E153740
0168
CONFORMS TO U.S. DHHS 21 CFR SUBCHAPTER J. PROTECTED BY U.S. PATENTS. SEE MANUAL FOR PATENT COVERAGE AND LISTING : NO USER SERVICEABLE PARTS. OPENING VOIDS WARRANTY.

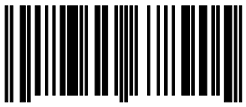
Complies with (en conformite avec):
FCC PART 15
CANADA ICES-003
See manual
(Reférézvous à la documentation)
CISPR 22 CLASS B

Contains TX FCC ID: EHAUL
ISC: RSS/CNR 210
CANADA: 31101021090A

**Cordless Scanner**
**Right Side View**

# *Sample Symbols*

**UPC A**



0 123456 7890

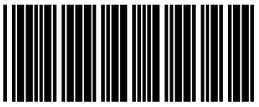
**Interleaved 2 of 5**

1234567890

**Code 128**

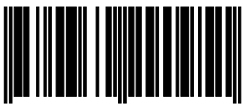
Code 128

**Code 39**



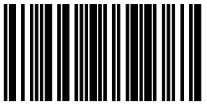
BC321

**EAN 13**



9 780330 290951

**Codabar**



A13579B

**Code 93**

123456-9$

**PDF417**

Vehicle Registration

**MicroPDF417**

Test Message

4619 Jordan Road
P.O. Box 187
Skaneateles Falls, New York 13153-0187